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NOTES:

1. ASSEMBLE IAW MPP-167

2. LASER ENGRAVE OR DOT MARK VALVE P/N, S/N, AND REVISION ONTO THE 600.0247 VALVE BODY IAW MPP-120

3. LASER ENGRAVE OR DOT MARK AS SHOWN IAW MPP-120

4. ORIENT PRESSURE GAUGE AS SHOWN

5. QTY (1) EXTRA M83461/2-910 O-RING REQUIRED FOR POST LEAKAGE TEST ASSEMBLY

PEI

REV.

DESCRIPTION

DATE

APPROVED

A

INCORPORATED ECN 00293

08-11-99

D. HITZFIELD

B

INCORPORATED ECN 00337

10-09-00

D. HITZFIELD

C

INCORPORATED ECN 00631

09-23-04

S. JOSEPH

D

INCORPORATED ECN 01559

06-27-06

P. BRAVO

E

INCORPORATED ECNS 01652, 01748, 04107, 06277

07-02-19

P. BRAVO

ZONE

REV

DESCRIPTION

DATE

APPROVED

CHANGE CODE

EFFECTIVITY

REVISED BY

PROTOTYPE REVISIONS

SHEET 1  
SHEET 2  
A5-2

REVISED SHEET 1 FOR PROTOTYPE REVISION TABLE  
REMOVED VENDOR P/N'S FROM MAT'L COLUMN IN BOM  
REMOVED FLAG NOTES FROM SPEC. COLUMN IN BOM  
F/N 44: P/N WAS 600.0741 IS NAS1149CN632R  
F/N 43: P/N WAS 600.0742 IS MS35649-264  
F/N 42: P/N WAS 600.0727 IS MS51957-34  
DELETED F/N 38  
F/N 37: P/N WAS 601.1105 IS MS51959-52  
F/N 35: P/N WAS 601.1089 IS M83461/2-905  
F/N 34: P/N WAS 601.1087 IS M83461/2-904  
F/N 34: REVISED QUANTITIES  
E/N 33: P/N WAS 601.1086 IS M83461/2-902  
E/N 32: P/N WAS 601.1092 IS M83461/2-912  
F/N 31: P/N WAS 601.1090 IS M83461/2-906  
DELETED F/N 30  
F/N 29: P/N WAS 601.1084 IS NAS1611-006A  
F/N 28: P/N WAS 601.1085 IS MS28775-020  
F/N 27: P/N WAS 601.1091 IS M83461/2-910  
F/N 27: REVISED QUANTITIES  
DELETED F/N 24  
F/N 22: P/N WAS 600.0289 IS 654.6412  
F/N 21: P/N WAS 600.0260 IS 654.6410  
F/N 20: P/N WAS 600.0288 IS 654.6411  
F/N 19: P/N WAS 600.0258 IS 601.3739  
F/N 18: P/N WAS 600.0262 IS MS19060-1012  
DELETED F/N 12 TO 15  
F/N 65: P/N WAS 601.2079 IS AN515C5-5  
F/N 64: P/N WAS 601.1549 IS MS28775-011  
DELETED F/N 60  
DELETED F/N'S 53 TO 57  
DELETED F/N 48  
F/N 46: P/N WAS 600.0294 IS 654.6512  
REVISED FLAG NOTE CALLOUTS  
ADDED SHEET FOR ENGRAVING DETAIL

04-29-21

J. GARDINER

MDI

NEXT ORDER

O. SHYKOTA

20595-X  
(20595-1 SHOWN)

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ORIGINAL DATE

07-16-98

DRAWN BY

CHECKER

E. BECHAUD

DVH

DRAWING APPROVAL

CONTRACT NO.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
2 PLACE DECIMALS ±.01  
3 PLACE DECIMALS ±.005  
ANGLES ±.3°

7/16" FLOW VALVE

DART

3030 ENTERPRISE CT.,  
SUITE A  
AEROSPACE  
APICAL INDUSTRIES INC.  
dbco DART AEROSPACE

VISTA, CA, 92081  
(760)-724-5300

SIZE

CAGE CODE

DWG. NO.

REV.

B

07M26

20595

PE1

SCALE

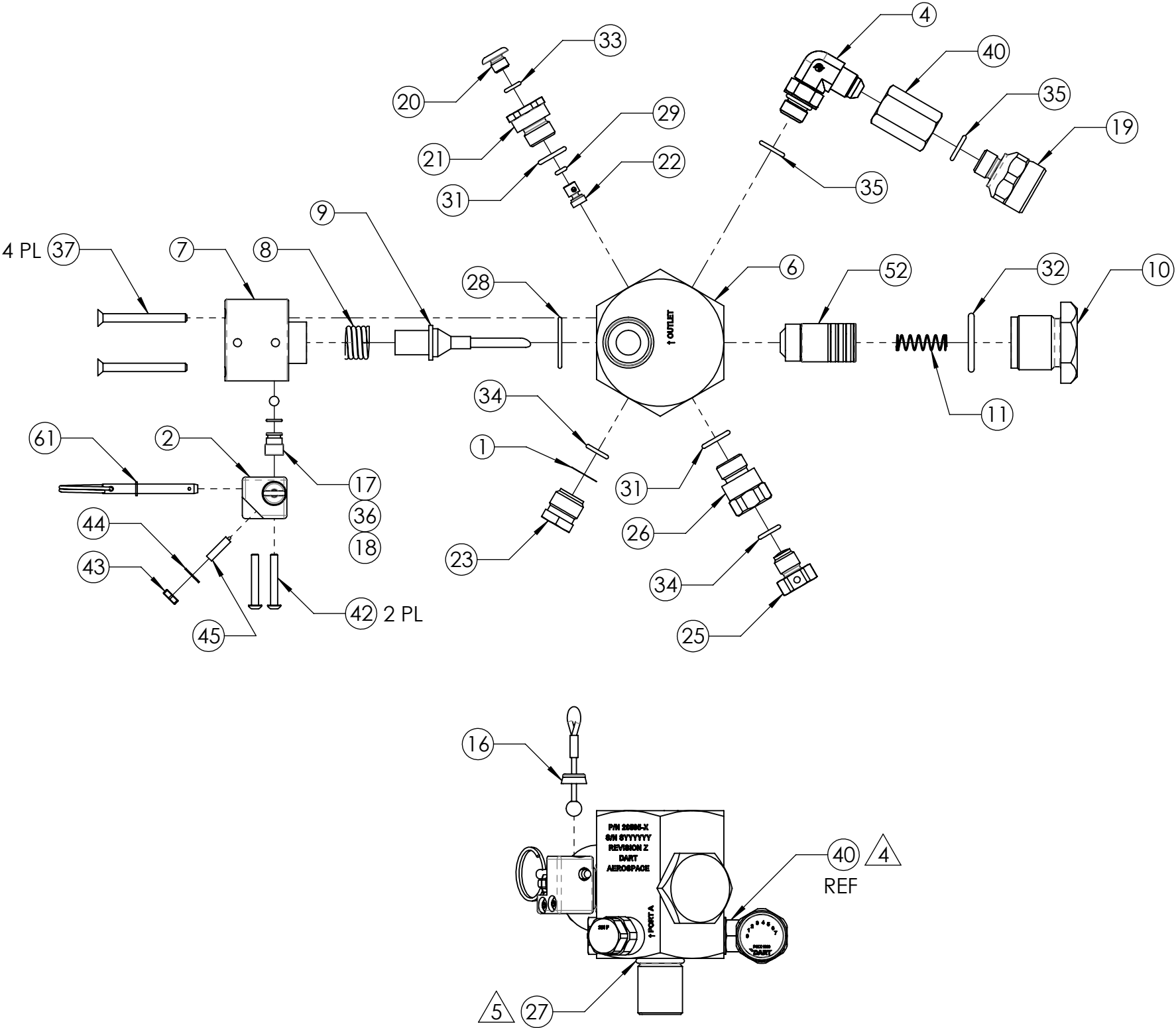
NONE

SHEET

1 OF 8



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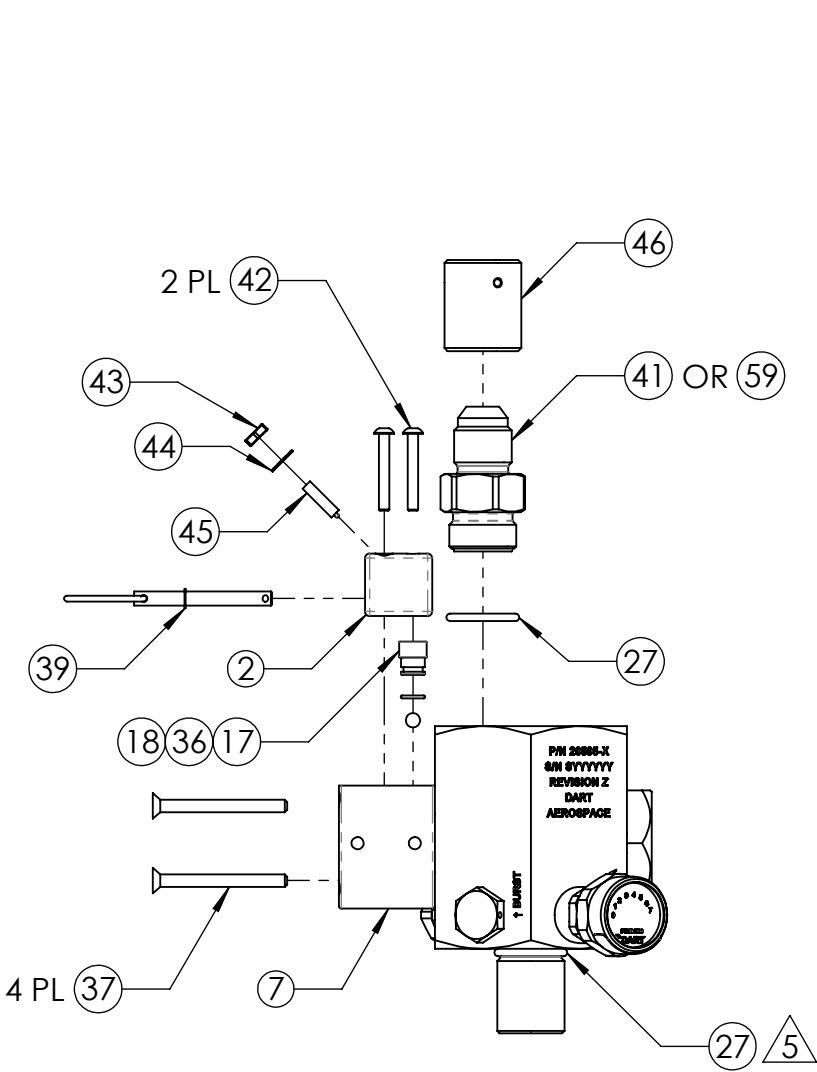


**20595-1 VALVE COMPONENT INSTALLATION**  
(WARNING TAG HIDDEN FOR CLARITY)

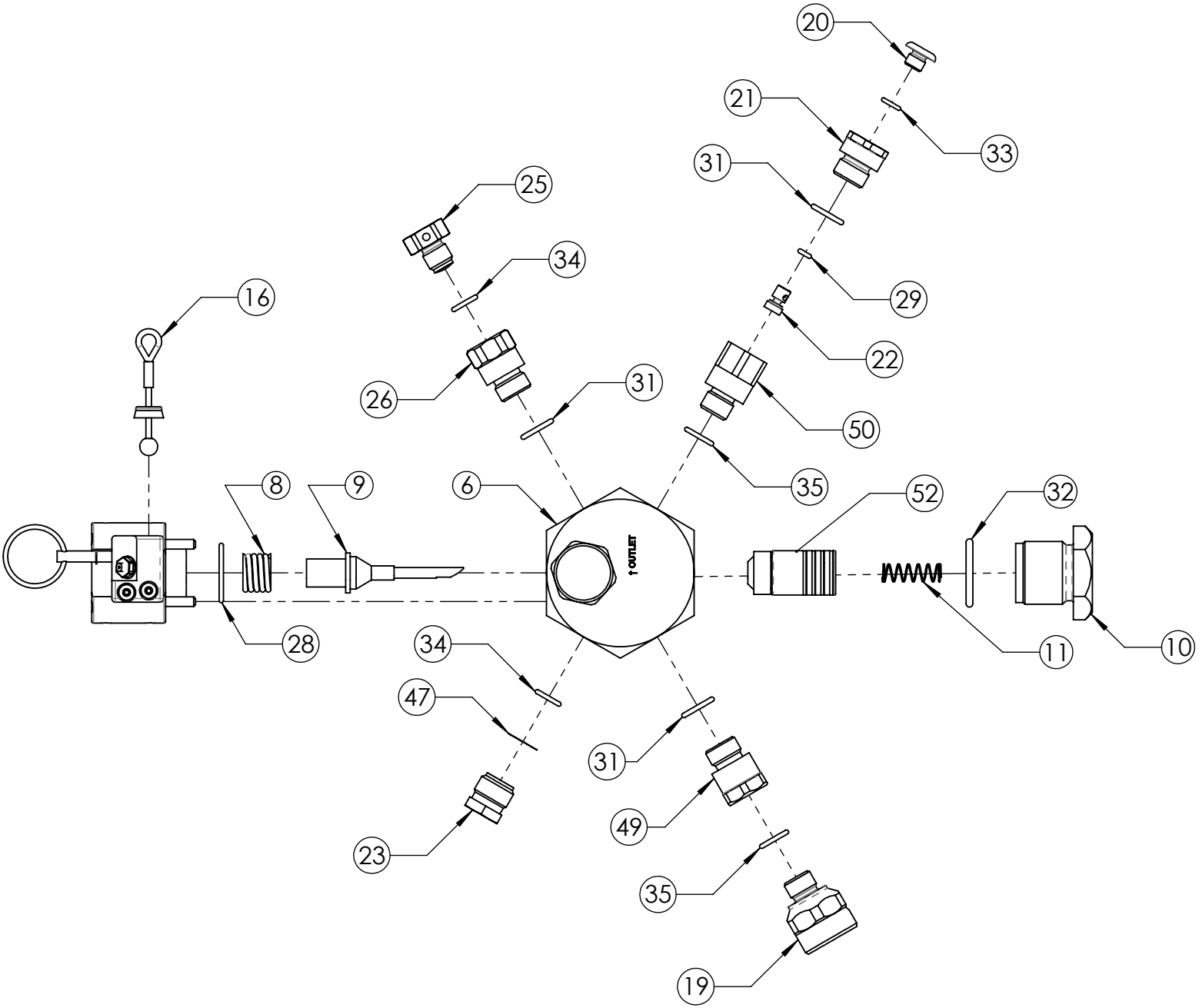
ORIGINAL DATE (MO-DA-YR) 07-16-98		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY E. BEGNAUD	CHECKER DVH		
DRAWING APPROVAL DVH 07-16-98		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		7/16" FLOW VALVE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	REV. PE1
		CAGE CODE 07MZ6	DWG. NO. 20595
		SCALE NONE	SHEET 3 OF 8



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**20595-4/-5 VALVE COMPONENT INSTALLATION**  
(WARNING TAG HIDDEN FOR CLARITY)



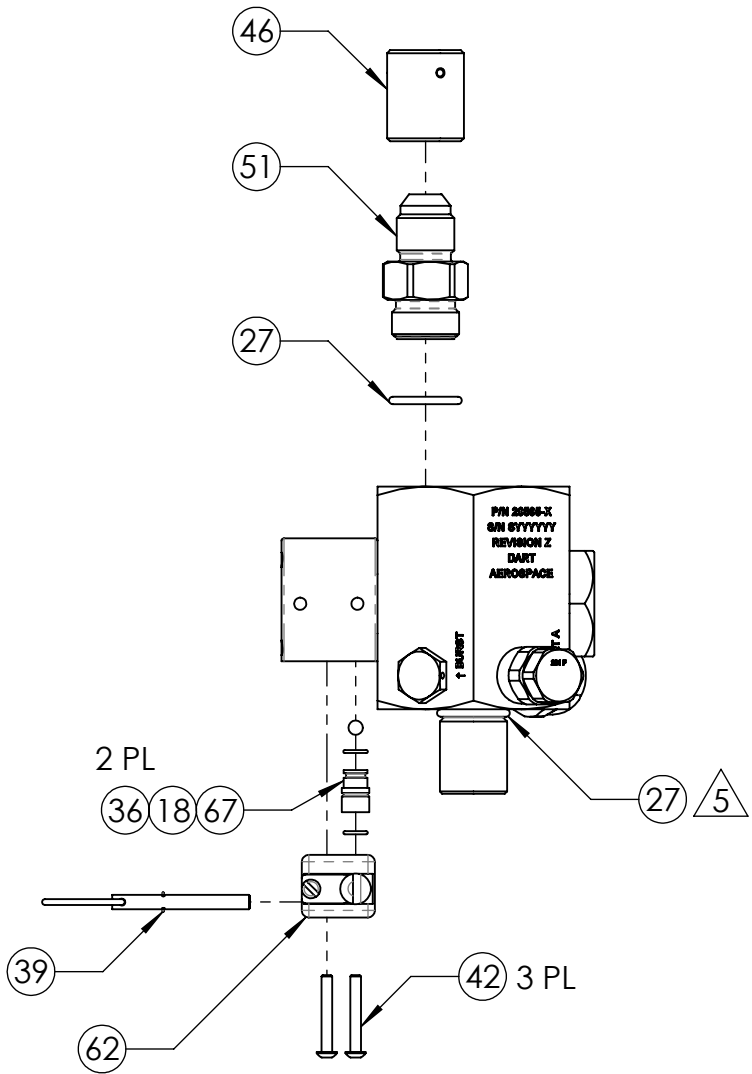
ORIGINAL DATE (MO-DA-YR) 07-16-98	
DRAWN BY E. BEGNAUD	CHECKER DVH
DRAWING APPROVAL DVH 07-16-98	
CONTRACT No.	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
2 PLACE DECIMALS ±.01  
3 PLACE DECIMALS ±.005  
ANGLES ±.5°

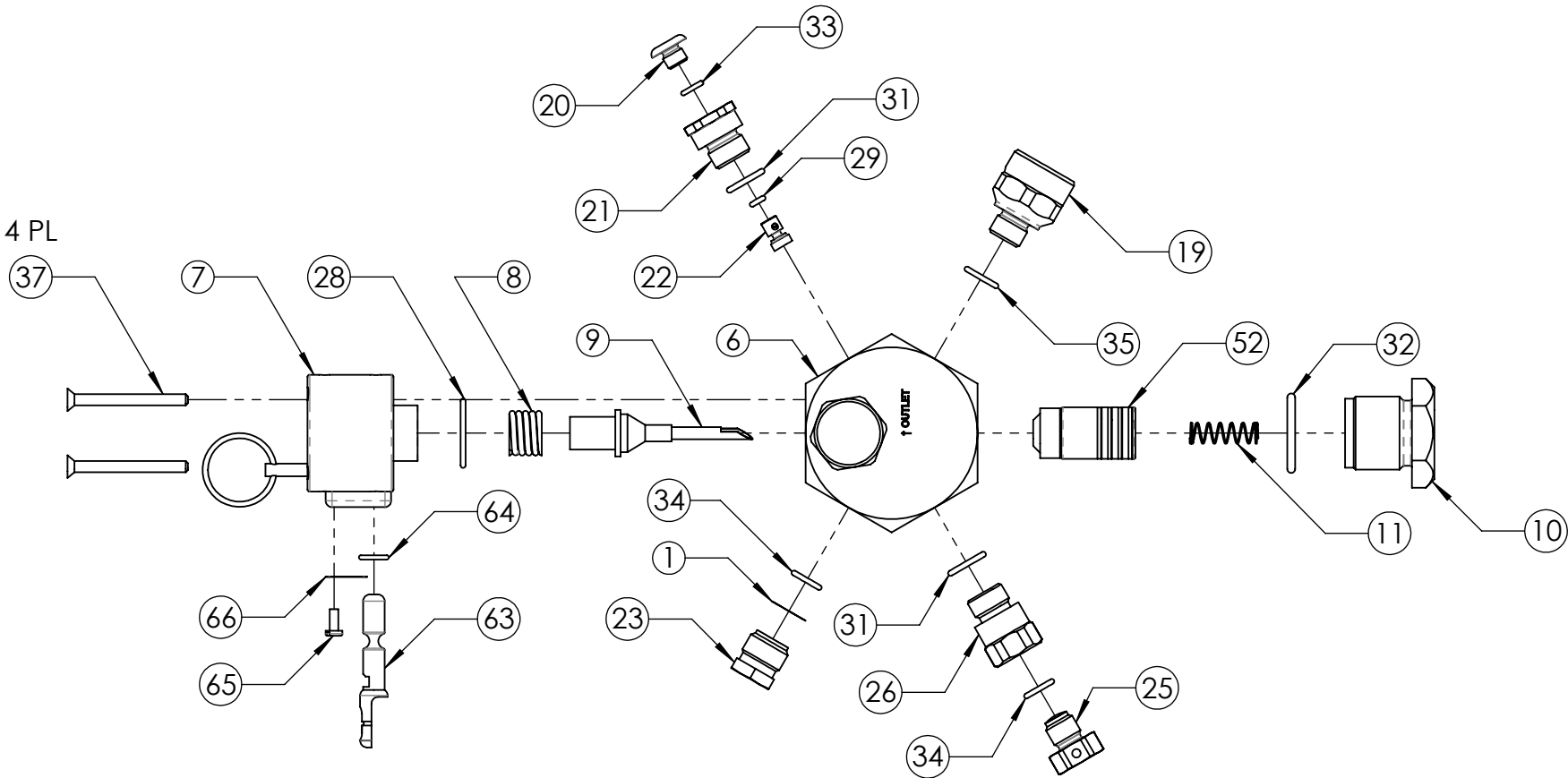
<b>DART</b> AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE				3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
7/16" FLOW VALVE				
SIZE B	CAGE CODE 07MZ6	DWG. NO. 20595	REV. PE1	
SCALE NONE			SHEET 5 OF 8	

ORIGINAL DATE (MO-DA-YR)	07-16-98	 <b>DART</b> AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY E. BEGNAUD	CHECKER DVH			DRAWING APPROVAL DVH 07-16-98	
CONTRACT NO.		7/16" FLOW VALVE			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE	CAGE CODE	DWG. NO.	REV.
		B	07MZ6	20595	PE1
		SCALE NONE		SHEET 6 OF 8	

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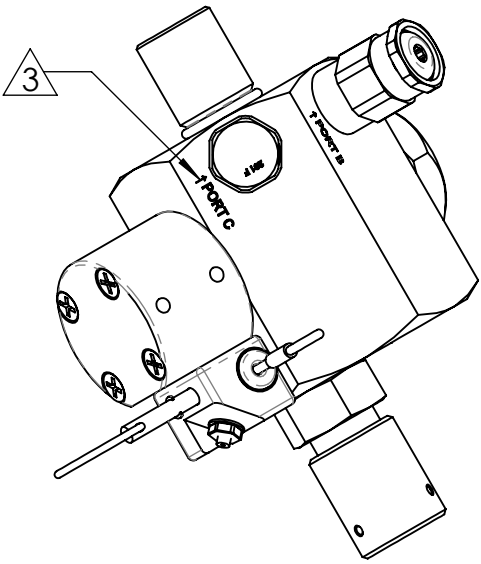
**20595-3PHI VALVE COMPONENT INSTALLATION**  
(WARNING TAG HIDDEN FOR CLARITY)



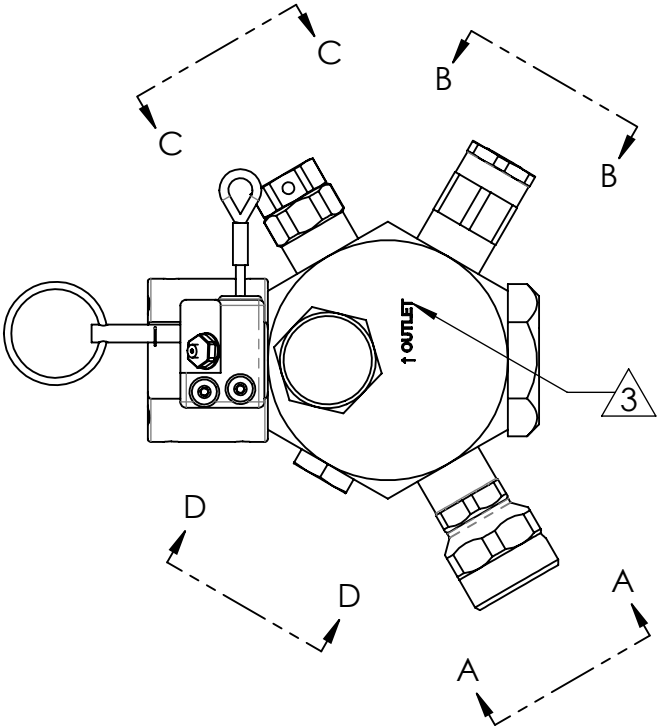
ORIGINAL DATE (MO-DA-YR) 07-16-98		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY E. BEGNAUD	CHECKER DVH		
DRAWING APPROVAL DVH 07-16-98		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		7/16" FLOW VALVE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. PE1
CAGE CODE 07MZ6		DWG. NO. 20595	SHEET 7 OF 8
SCALE NONE			



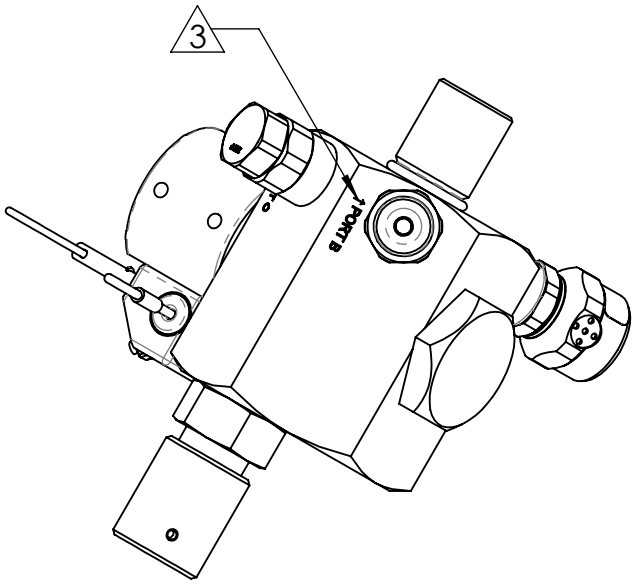
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



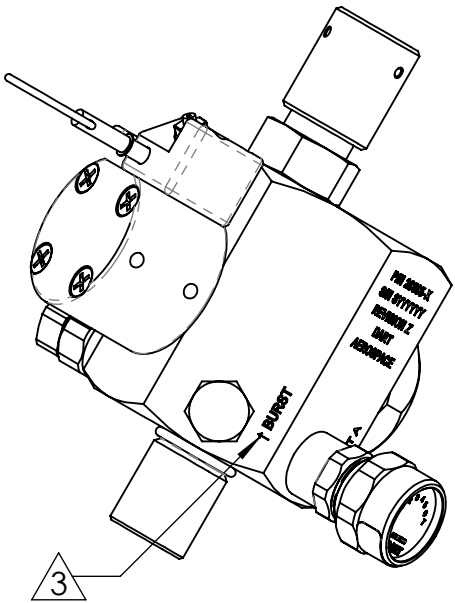
VIEW C-C



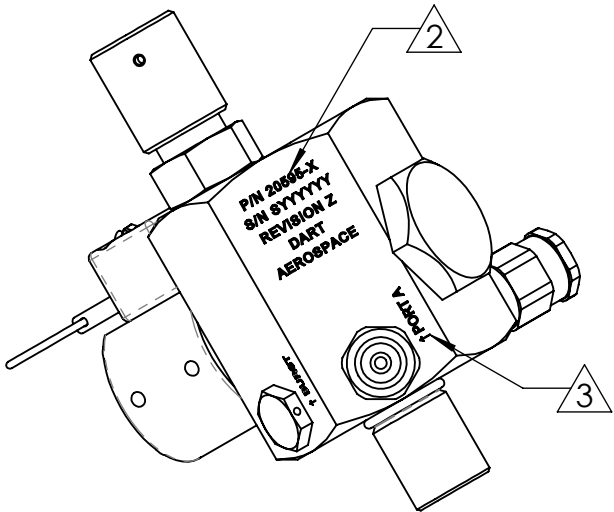
TYPICAL VALVE BODY ENGRAVING  
(ALL CONFIGURATIONS)



VIEW B-B



VIEW D-D



VIEW A-A  
(GAUGE HIDDEN FOR CLARITY)

ENGRAVING TEXT			
CONFIGURATION	PORT A	PORT B	PORT C
20595-1	THERMAL	GAUGE	FILL
20595-2	THERMAL	GAUGE	FILL
20595-2PHI	GAUGE	FILL	THERMAL
20595-3PHI	THERMAL	GAUGE	FILL
20595-4	GAUGE	FILL	THERMAL
20595-5	GAUGE	FILL	THERMAL

ORIGINAL DATE  
(MO-DA-YR) 07-16-98

DRAWN BY  
E. BEGNAUD

CHECKER  
DVH

DRAWING APPROVAL  
DVH  
07-16-98

CONTRACT No.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
2 PLACE DECIMALS ±.01  
3 PLACE DECIMALS ±.005  
ANGLES ±.5°

**DART**  
AEROSPACE  
APICAL INDUSTRIES, INC.  
dba DART AEROSPACE

3030 ENTERPRISE CT.,  
SUITE A  
VISTA, CA. 92081  
(760)-724-5300

7/16" FLOW VALVE

SIZE B	CAGE CODE 07MZ6	DWG. NO. 20595	REV. PE1
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SCALE NONE SHEET 8 OF 8